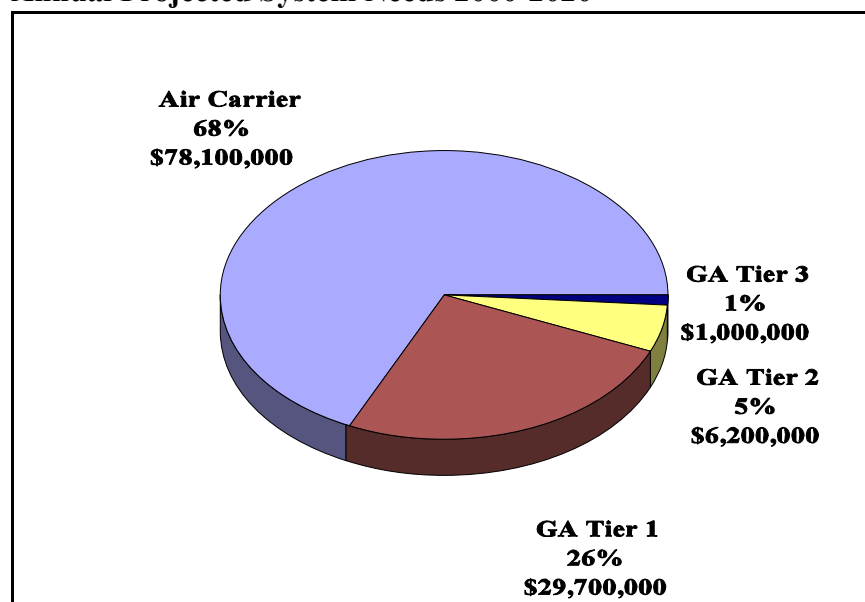


## **PROJECTED SYSTEM NEEDS**

The cost of keeping Michigan's airport system running safely and efficiently, and developed to meet capital needs through 2020 is estimated at \$2.3 billion. This figure includes anticipated capital improvements that have been historically funded through a combination of federal, state, and local sources. The cost of airport operations and maintenance are not included in this figure. The balance of this chapter will summarize capital needs for each airport tier and presents a breakdown by program category -- preserve, improve, expand.

Figure 18 displays the annual needs of the Michigan airport system by type of airport. Air carrier airports have approximately two thirds of the total system needs. General aviation airports in Tier 1 have about one fourth of the system needs. The remaining airports in Tier 2 and Tier 3 have about six percent of total system needs.

**Figure 18**  
**Annual Projected System Needs 2000-2020**



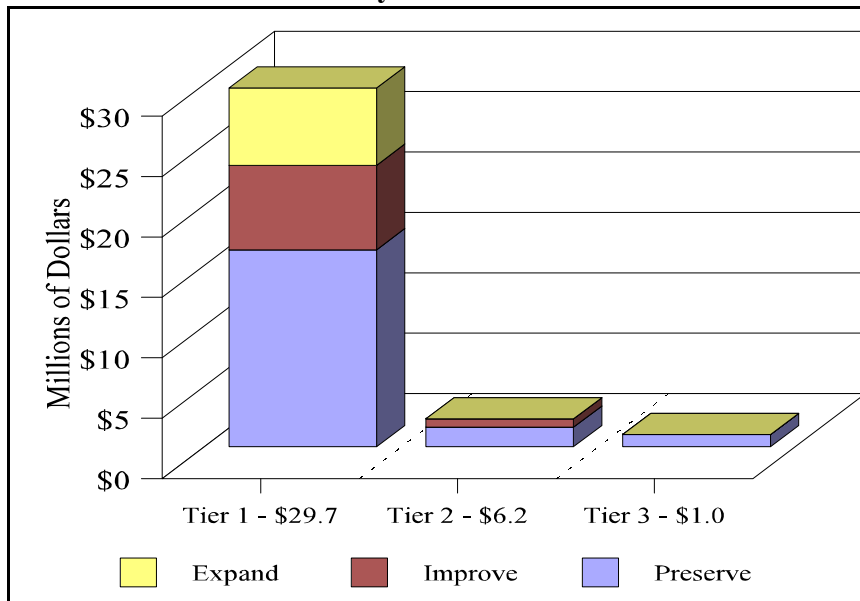
### **Air Carrier Airports System Needs**

Annual needs at the air carrier airports in Michigan will average \$78.1 million through 2020. Of this total, approximately \$24.6 million will be needed each year for preservation of airport Michigan Airport System Plan. pavements, lighting systems and other airport infrastructure. The balance, \$51.6 million will be needed each year for improvement projects including apron, taxiway, terminal, and other items essential to effective delivery of air carrier services.

### **General Aviation Airports System Needs**

Annual needs at the *MASP 2000* general aviation airports average \$36.9 million through 2020. Those general aviation airports in Tier 1 represent 80 percent of those needs. Tier 2 and Tier 3 airports have 17 percent and 3 percent of those needs respectively. More than half the total general aviation airport needs, \$18.9 million annually, are for preservation of airport infrastructure including primarily airport pavements and lighting systems. Approximately \$7.7 million is needed annually for airport improvement projects. These improve projects include those projects necessary to respond to current deficiencies at these airports. The remaining \$10.3 million annual needs are for airport expansion projects. These expand projects are needed to respond to deficiencies at those airports that would be moving into a higher airport classification.

**Figure 19**  
**Annual General Aviation System Needs 2000-2020**



Cost are presented in present day dollars and include construction and engineering dollars.